

What I claim is:

1. An electrical socket comprising: a retaining structure and a plurality of resilient wires extending along the socket in a hyperboloid arrangement and exposed for contact with a male contact member inserted within the socket, wherein said wires are arranged in groups of at least two wires each, and wherein the spacing of said wires in each group is closer than that of said groups from one another.
2. An electrical socket according to Claim 1, wherein said wires in each group extend along the socket in contact with one another.
3. An electrical socket according to Claim 1 or 2, wherein the socket includes three groups of two wires each.
4. An electrical socket according to any one of the preceding claims, wherein said retaining structure includes a ring at each end of the socket, and wherein said wires are retained in groups by attachment to said rings at opposite ends of the socket.
5. An electrical socket comprising: a first support member at one end; a second support member at an opposite end; a first pair of resilient contact wires extending along the socket at an angle to its axis, said wires being attached with said first and second support members at opposite ends; a second pair of resilient contact wires extending along the socket at an angle to its axis, said second pair of wires being spaced around the socket from said first pair and being attached with said first and second support

members at opposite ends; and a third pair of resilient contact wires extending along the socket at an angle to its axis, said third pair of wires being spaced around the socket from said first and second pairs and being attached with said first and second support members at opposite ends such that the three pairs of wires make a hyperboloid arrangement and are exposed for contact with a male contact member inserted within the socket.

6. A method of making an electrical socket comprising the steps of: providing a mandrel having a plurality of slots extending along the mandrel at an angle to its axis; providing a retaining structure; providing a plurality of spring wires; loading at least two of said spring wires into each of said slots; inserting said mandrel with the loaded wires into said retaining structure; attaching opposite ends of said wires to said retaining structure; and removing said mandrel to leave said wires extending along the socket in a hyperboloid arrangement.
7. A method according to Claim 6, wherein the said at least two wires are loaded into respective ones of said slots in said mandrel at the same time.
8. A method according to Claim 6, wherein said retaining structure includes a ring at opposite ends of the socket to which said wires are attached.
9. A method according to Claim 6, wherein said wires are attached to said retaining structure by welding.

10. A method of making an electrical socket comprising the steps of: providing a mandrel having a three slots extending along the mandrel at an angle to its axis; providing a first and second retaining ring; providing six spring wires; loading two of said spring wires into each of said slots; inserting said mandrel with the loaded wires into said retaining rings; welding opposite ends of said wires to each said retaining ring; and removing said mandrel to leave said wires extending along the socket in a hyperboloid arrangement.

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